

ABSTRACT OF THE DISCLOSURE

A method and apparatus for cache coherency states is disclosed. In one embodiment, a cache accessible across two interfaces, an inner interface and an outer interface, may have a joint cache coherency state. The joint cache coherency state may have a first state for the inner interface and a second state for the outer interface, where the second state has higher privilege than the first state. In one embodiment this may promote speculative invalidation. In other embodiments this may reduce snoop transactions on the inner interface.